WHAT IS CLAIMED IS:

1.   A moving image processing method, comprising:

a first generation step of generating division information required to divide a moving image on the basis of each of a plurality of items of data which indicate states upon sensing the moving image;

a registration step of registering the division information, which is generated in the first generation step and corresponds to each of the plurality of items, in correspondence with the moving image data, so as to be able to be read out for each item; and

a second generation step of integrating one or a plurality of pieces of division information corresponding to one or a plurality of items selected from the plurality of items and generating integrated division information corresponding to a combination of the items.

2.   The method according to claim 1, further comprising a holding step of holding a plurality of pieces of integrated division information, which are generated in correspondence with a plurality of combinations of different types of items in the second generation step, in correspondence with identification information used to identify the combinations.

3.   A moving image processing method for processing moving image data for which a plurality of pieces of division information required to divide a moving image

on the basis of each of a plurality of items of data which indicate states upon sensing the moving image, so as to be able to be read out for each item, comprising:

a first generation step of defining an item group

5   formed of one or a plurality of items selected from the plurality of items, and generating integrated division information corresponding to the item group by integrating one or a plurality of pieces of division information corresponding to the items which belong to

10   the item group; and

a holding step of holding a plurality of pieces of integrated division information, which are generated in the first generation step for a plurality of different item groups, in correspondence with the

15   moving image data.

4.   The method according to claim 3, further comprising a recording step of recording the integrated division information on a recording medium in correspondence with the moving image data.

20   5.   The method according to claim 3, further comprising a registration step of registering representative images which represent respective intervals obtained upon dividing the moving image data based on integrated division information corresponding

25   to each of the plurality of different item groups.

6.   The method according to claim 5, further comprising:

a designation step of designating a desired item

group of the plurality of different item groups; and

a display step of displaying the representative

images registered in correspondence with the item group

5   designated in the designation step.

7.   The method according to claim 6, further

comprising an execution step of executing a

predetermined process for an interval of moving image

data which is designated using a representative image

10   displayed in the display step and corresponds to that

representative image.

8.   The method according to claim 3, wherein the item

group includes one of an environment upon sensing an

image, a sensed subject, a subject size upon sensing an

15   image, and an effect applied to a moving image.

9.   A moving image processing apparatus comprising:

first generation unit adapted to generate

division information required to divide a moving image

on the basis of each of a plurality of items of data

20   which indicate states upon sensing the moving image;

registration unit adapted to register the

division information, which is generated by said first

generation unit and corresponds to each of the

plurality of items, in correspondence with the moving

25   image data, so as to be able to be read out for each

item; and

second generation unit adapted to integrate one
or a plurality of pieces of division information
corresponding to one or a plurality of items selected
from the plurality of items and generating integrated

5   division information corresponding to a combination of
the items.

10.   A computer readable recording medium recording a
control program which makes a computer execute a moving
image processing method of claim 1.

10 11.   A control program for making a computer execute a
moving image processing method of claim 1.

12.   A moving image processing method for processing
moving image data for which a plurality of pieces of
division information required to divide a moving image

15 on the basis of each of a plurality of items of data
which indicate states upon sensing the moving image, so
as to be able to be read out for each item, comprising:

a generation step of defining an item group
formed of one or a plurality of items selected from the

20 plurality of items, and generating integrated division
information corresponding to the item group by
integrating one or a plurality of pieces of division
information corresponding to the items which belong to
the item group;

25   a hierarchization step of adding division
positions based on integrated division information of
an upper layer to division positions of integrated

division information of a lower layer in accordance with a hierarchical order of a plurality of pieces of integrated division information, which are generated in the generation step in correspondence with a plurality

5   of different item groups; and

a holding step of holding the integrated division information obtained in the hierarchization step in correspondence with the moving image data.

13.   The method according to claim 12, further

10   comprising a setting step of setting the hierarchical order of the plurality of pieces of integrated division information on the basis of division counts of the integrated division information.

14.   The method according to claim 13, wherein the

15   setting step includes a step of setting integrated division information with a smaller division count to have a higher hierarchical order.

15.   The method according to claim 12, wherein the hierarchical order of the plurality of pieces of

20   integrated division information is set according to a hierarchical order which is set in advance for respective item groups.

16.   The method according to claim 12, further comprising a designation step of designating the

25   hierarchical order of the plurality of pieces of integrated division information.

17.   The method according to claim 12, further comprising:

a holding step of generating and holding representative images which represent respective
5   intervals of a moving image that are specified by integrated division information of respective layers obtained in the hierarchization step; and

a display step of displaying, when one interval of one layer is designated, representative images of
10   intervals included in the designated interval in a layer lower than that layer.

18.   The method according to claim 17, further comprising an execution step of executing a predetermined process for an interval of a moving image,
15   which corresponds to a representative image selected from the representative images displayed in the display step.

19.   The method according to claim 12, further comprising a storage step of storing the integrated
20   division information obtained in the hierarchization step in a storage medium in correspondence with the moving image data.

20.   The method according to claim 12, wherein the item group includes one of an environment upon sensing
25   an image, a sensed subject, a subject size upon sensing an image, and an effect applied to a moving image.

21.   A moving image processing apparatus for
processing moving image data for which a plurality of
pieces of division information required to divide a
moving image on the basis of each of a plurality of
5   items of data which indicate states upon sensing the
moving image, so as to be able to be read out for each
item, comprising:

generation unit adapted to define an item group
formed of one or a plurality of items selected from the
10 plurality of items, and generating integrated division
information corresponding to the item group by
integrating one or a plurality of pieces of division
information corresponding to the items which belong to
the item group;

15   hierarchization unit adapted to add division
positions based on integrated division information of
an upper layer to division positions of integrated
division information of a lower layer in accordance
with a hierarchical order of a plurality of pieces of
20 integrated division information, which are generated by
said generation unit in correspondence with a plurality
of different item groups; and

holding unit adapted to hold the integrated
division information obtained by said hierarchization
25 unit in correspondence with the moving image data.

22.   A computer readable recording medium recording a control program which makes a computer execute a moving image processing method of claim 12.

23.   A control program for making a computer execute a moving image processing method of claim 12.